

DICK SMITH WHOLESALE

Electronic Enthusiast's Catalogue 1983/4



**BUY NOW
AND SAVE!**
Prices must rise
due to dollar
devaluation



★ 15TH BIRTHDAY EDITION
★ BRAND NEW PRODUCTS
★ UNBEATABLE PRICES

95¢

Computers

NEW LOW PRICE New features the amazing BLUE LABEL SYSTEM 80

There's never been a computer available before with the sophistication of the NEW System 80 at such a low price. This very popular computer has been completely redesigned and is being redesigned it has benefited from similar products on the market. Shortcomings in operation, requirements, technology improvements, etc. have all been taken into account in the design of the new system. It now includes features normally found in models costing much, much more - computers such as the APPLE and the TANDY.

And now you can take advantage of our incredible price slash - save two hundred & fifty dollars over last year's price!
Why such a dramatic price decrease? Because so many System 80 computers have been sold, the initial huge development costs have been amortised. The System 80 now costs us less - so we pass this saving on to you!
But hurry, prices must start rising soon. The decreasing value of the Australian dollar and high inflation means that we won't be able to hold this low, low price for too long.

Buy now and save!



**OVER
13,000
SOLD!**

Compare these features:

- 16K memory - expandable to 48K with Expansion unit (Cal X-4020)
- Includes 12K Microsoft BASIC in ROM
- Compatible with almost all level II programs (thousands available)
- Works with any standard TV set or a video monitor
- Built-in cassette deck with level control, plus provision for another (external) cassette
- Uses powerful Z-80 microprocessor. The most popular CPU chip in the world!

Amazing
saving
only

\$499

Protect your Investment

Your System 80 is an investment in your future - protect it with a light-filling PVC cover and it will reward you with trouble-free longer life.

A protective cover for your monitor also. Fits most small monitors.

Cal X-4008 \$6.50

Cal X1197 \$6.50

Give your computer **SPEECH!**

With life advanced speech synthesiser your computer can now talk to you simply and clearly - with an unlimited vocabulary!
By adding a truly flexible and easy-to-use speech facility to any computer, it opens up whole new fields of applications: computers for the blind, language teaching, computer-aided teaching for small children and the literate. And of course, Type-N-Talk is great fun for computer games. The Votrax is supplied with 240V power supply and user manual. You only supply a speaker and a cable to connect to your computer.



Cal X-3290

The Votrax Synthesiser

~~was \$549~~
ONLY \$499

OR MUSIC with the **FRED** Sound Synthesiser



Give your System 80 the ability to produce music with this Sound Synthesiser. It just plugs directly into the expansion connector with the audio output connecting directly into the AUX, TAPE or TUNER facilities of most Hi-Fi amplifiers.

Cal X-3260

Fan Form Binder

Wow! Now you can protect your precious printouts with this high quality binder. Will accept fan form paper (Insta-Bills) the Dick Smith Mini Printer and the IDOH Dot Matrix Printer (240mm x 204mm wide). Made from the finest Columbian Extruded Polyvinyl.

Cal X-3520

only

\$7.95

Cables Parallel Printer Interface

The low-cost way to obtain a Centronics-type printer port for your System 80 computer without the need for a full expansion interface connector on the rear of the System 80.

Cal X-4013

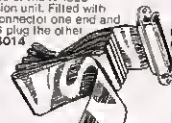


\$56.50

Printer Cable

This is a universal cable, ideal for connecting a printer or other device to the printer interface of the X-4020 expansion unit. Fitted with edge connector one end and 57K-36 plug the other.

Cal X-4014



\$42.50

Expander/Adaptor Cable

Connects between the X-4020 expansion unit's cable and your System 80 enabling use of the Hi-Res adaptor unit, Fred Sound Synthesiser and Joy Stick Controller kit interface, when using a disc-based system.

\$49.50

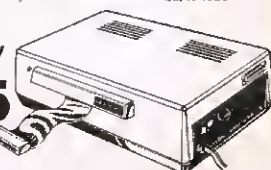


Unleash the potential of your System 80 . .

A terrific model - now with extra value! The list low of the 16K RAM is lifted as standard in this unit, with provision for an extra 16K (which gives the System 80/Expansion unit 48K total memory). And it's \$100 cheaper than the previous model! It provides as standard a floppy disk controller capable of controlling up to 4 single density disk drives. Although the exterior of this model is similar to the previous model, there are significant changes internally. The Centronics printer port is still standard, but the RS-232C interface & connector are now only available as an option. The S-100 motherboard has been removed, and is available as a second option for those who require S-100 expansion capability.

Cal X-4020

at only
\$425



16K Expansion Pack

Don't be misled into paying extra for no better quality: ours are the premium quality 200ns type 4116 ~~was~~ dynamic RAMS used by most microcomputers. ~~4.00~~ Upgrades an 8K to 16K OR a 16K to 32K OR 32K to 48K.

Cal X-1186 Pack of 8 x 4116 RAMS

\$22.50

S-100 Interface Card

With this card you can open the way to the many applications available via the S-100 bus system.

Cal X-4024

\$129

RS232C Interface

As an option with the expansion unit, the RS-232C interface makes your computer capable of communicating with modems etc. It may also be used for driving teleprinters or other serial printers.

Cal X-4022

\$99



System 80 Mk II to suit disk based operations

When cassette operation is to slow for business usage this System 80 is the answer. The normal in-built cassette mechanism has been removed (even though we've still allowed for external cassette connection) to allow for connection to a disk drive. We also added a numeric keypad for extra fast figure input, and a special ROM programme to allow for flashing cursor on the screen at instant position recognition.

Cal X-4100

- Inbuilt 12K Microsoft BASIC
- High bandwidth direct video output
- Screen print facility (obtains printout of any 'page' on the screen)
- Provision for full expansion to 48K of memory, to 4 floppy disk drives, printer & RS232 communications ports.
- Full upper and lower case video display, PLUS 15 key numeric keypad PLUS 4 software defined special function keys!

Incredible Value! \$775⁰⁰

Parents: Buy the one
designed to stringent

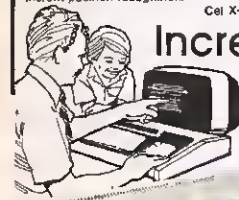
Department of Education standards

The System 80 Educator

System 80 Mark II 'Educator' Computer offers outstanding value for money. It can be purchased initially in its low cost 'basic' form and then added to as funds and/or requirements grow. The Educator features a standard video interface which produces composite video signals which are fully compatible with standard Australian T.V. monitors.

Other features include:

- Typewriter-styled keyboard
- Upper and lower case display
- User programmable function keys
- Powerful 12.5K of ROM with Microsoft Level 2 BASIC
- Numeric keypad
- Inbuilt screen print facility
- Optional colour display
- Optional high resolution graphics



Cal X-4200

**ONLY
\$775⁰⁰**

Save on Quality Disks

Superb quality 5 1/4 inch
mini floppy diskettes etc
competitive prices!
Both types - hard & soft
sealed, at the same
time low, low price!

Buy soft sealed floppy
disks in bulk. You get 10
floppy disks plus disk
library. Cal X-3512

FOR ONLY

\$54⁵⁰

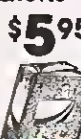
\$4⁹⁵

VALUE



Disk Library Holds 10 disks

Even at our prices, you
should still treat your disks
with care - especially if
your company's financial
records are on them! This
disk library holds & pro-
tects up to 10 diskettes in
their jackets, in an upright
position for easy use. Can
be closed for storage. A
cheap investment!
Cal X-3515



\$5⁹⁵

Save a fortune on Disk Drives System 80 Disk Drives

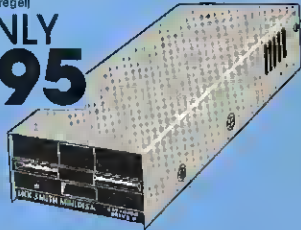
Our disk drives go much further... for so much less!
These superb disk drives cost so much less than the Tandy
disk drive and they incorporate a high-quality MPI 851 drive
mechanism together with matching inbuilt 240V power
supply!

Each drive has high storage capacity - 40 tracks and is
suitable for both single and double density recording. With
double density recording, you can store more than 180K
bytes per diskette!

The disk drives are available for use with most computers and
disk controllers using the standard 34-way connection bus
- such as the System 80 and TRS-80. (Don't pay their prices
for disk storage!)

**ONLY
\$495**

Cal X-4060
Cal X-4061



* Already configured for the two drives most users
need: drive 0 (Cal X-4060) and drive 1 (Cal X-4061).

Compare the Value

NEW
FOR 83

Head Cleaner Disk Kit

Another area often overlooked is your disk drives.
For longer life and absolute reliability, they
should be cleaned at least once a week. These
head cleaners make head cleaning easy.

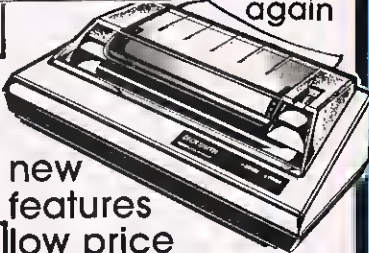
Cal X-3517

Replacement Disk Insert Cal X-3518 \$2.95

**ONLY
\$14⁹⁵**

NEW
FOR 83

**Dick's
done it
again**



**new
features
low price**

Mini Matrix Printer

We sold hundreds of the previous model
- and it was only for 204mm paper! This
model is the same price - but it takes
standard 240mm paper! If you don't
need word processor quality - you can
save a fortune!

Cal X-3250

Ribbon for suit Cal X-3151 \$9.95

**ONLY
\$395**

Fan-form paper

2000 sheets continuous fan-form paper to suit above printer
(Cal X-3250), and the previous printer (Cal X-3251). 204mm
wide with sprocket holes. Cal X-3254

Ribbons to suit printer

Cal X-3253
Replacement ribbons for above printer.
Cal X-3255

\$12.50

Computers

Australia's first direct modem to meet new Telecom regulations!



The Dick Smith Direct Modem

Now, via telephone, you can communicate with other personal computers to exchange data and programs. And... you can access the incredibly valuable information libraries of the world's "dial base". This is not the old type, unreliable and expensive acoustic-coupled modem, but a true high performance direct connecting modem authorized by Telecom. Even more importantly, it will cost you less than half the price of a comparable acoustic modem.

Some of Dataphone's features include:

- Simple plug-in connections.
- Full duplex operation for speed and convenience.
- Standard RS 232C interface enables use with almost any personal computer.
- Fully complies with both Telecom regulations and CCITT Recommendation V.21. This means it's not only legal, but also fully compatible with other modems.
- Phone/modem switch for convenient operation.
- Complete with approved power supply and detailed, easy to understand user manual.

Cat X-3272

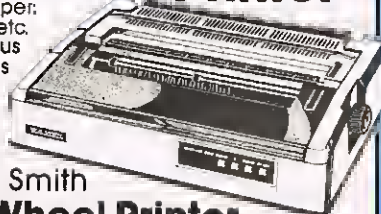
Telecom Authorisation No. C82/37/557

AND ONLY \$199

Save \$200

Uses standard paper; letterheads etc. or continuous forms

Word Processor QUALITY Printer



The Dick Smith Daisy Wheel Printer

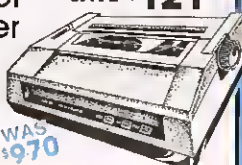
Delivers ultra-sharp clean copy up to 40cm wide! Ultra standard paper, letterheads etc. Uses economical Daisys wheels and ribbon cartridges — so a wide range of fonts is available. Prints at three times the speed of a coil ball typewriter and is suitable for most currently available microcomputers. Cat X-3265

Printer Ribbon to suit above printer Cat X-3268 \$8.00

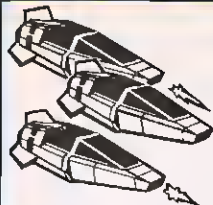
We sold 1,000's of our previous printer New Features

Our very newest model with built-in 2K buffer allowing storage of data to be printed — less down time on the computer. Numerous printing types. Superb (you've got to see to believe) high resolution graphics. You'll save hundreds of dollars on the printer! Accepts both standard international and fan-fold (tractor feed) paper.

Ribbon to suit printer (Cat X-3268) \$9.95 Cat X-3261



ONLY \$849 Cat X-3260



Killer Gorilla \$24.50

Based on the incredibly popular Donkey-Kong Arcade game, this ven ab you keep you busy 10 hours while you try to rescue the maiden from the gorilla atop the building. Terrific graphics and sound. Cassette based. Req. 16K. Cat X-3592



Jungle Bay \$19.50

Ever wanted to be Tarzan? This program gives you the chance to see if you'd survive every thing from rock slides to cannibals. On cassette. Req. 16K. Cat X-3590.

Galactic Trader \$12.50

If military life is not your scene and it making deals and bartering is, then your game is here. Your object is to make a fortune by trading commodities throughout the galaxy. 10 levels of difficulty. Cassette based. Req. 16K. T1, T3, S1, S2. Cat X-3676.

Beta Blitz \$9.50

Your the pilot, your mission is to destroy the enemy's ground installations, on a high speed bomb run. Fight your way through the real-time ground and air attack. Incredibly fast and exciting. Cassette based. T1, S1, S2, T3. Cat X-3683

Depth Charge \$11.50

The latest version of the arcade favourite. Your mission is to destroy the enemy submarine pack. Good graphics and includes sound. Cassette based. Req. 16K. T1, S1, S2. Cat X-3688

Starfighter \$44.50

You start out as a new recruit pilot police officer. Your job is to protect Landbase Control. You must identify spacecraft — some could be enemies! Work your way up to Star Lord. Great graphics & sound. Twin Cassette pack & manual. Req. T1, T3, S1, S2. Cat X-3674

SUITABILITY OF PROGRAMS	S1: System 80
	S2: System 80 MK11
	T2: Tandy Model 3

Educational Software

Scurvy Invaders \$11.50

A unique program that combines basic maths drill with the ever popular 'Space Invaders' game - practising maths has never been so much fun! Before shooting a Scurvy with the Laser, the player has to lead in the correct data to the Spaceship computer. Cat. X-3694

Alphabet/Rhyme Time \$11.50

Alphabet Countdown is a real time game in which sets of words taken at random from a large group must be placed in alphabetical order, in the shortest possible time. Rhyme Time displays a series of unfinished Rhymes, and the player has to type in the missing word from clues given in the rhyme itself. Cat. X-3698

Typing Tutor \$25.50

An interactive program that teaches you to touch type. It claims to teach typing skills faster than any other method. Now with graphic display of keyboard on the screen, making it even easier. Cat. X-3692

Austax Farm \$35.50

Produced in association with the Dept. of Taxation with the assistance of qualified taxation specialists. It will provide a printed summary which can be sent in with your return. The program takes you through the tax form step by step & provides on-screen prompts. Cat. X-3782

look at this exciting range of System 80 Games Software

Star Warrior \$22.50

Utilising good graphics & various levels of play. Your aim is to hunt down the miller any governor of 'Fornax' & to destroy his installation. 19 command options. Cassette based. Req. 16K. T1, S1, S2, T1. Cat X-3643.

3D Tic-Tac-Toe \$14.50

The familiar 'noughts and crosses' game, expanded and made more challenging. There are four grids on the screen, one behind the other. You play the computer — but watch out! It's ahead! Cassette based. Req. 16K. T1, S1, S2. Cat X-3671

Air Traffic Controller \$12.50

If you've ever wondered why controllers are so highly paid, this will answer your questions. You task is to safely manoeuvre 25 aircraft between the two airports and/or various points within your control 'area'. A time limit of 99 minutes is allowed for you to complete the task. The ability to 'plan ahead' could lead you into a new career. Cassette based. Req. S1, S2, T1. Cat X-3681

Space Invaders \$11.50

The ever popular arcade game that has become a cult! Can you shoot down the aliens before they destroy you and the Earth? Fast moving real time game. Cat X-3689

Asylum \$19.50

The latest 'role playing game' in which you get out of the asylum. You are placed in a padded cell & your job is to find a way out. Many items to aid you can be found along the way & a list of ordinary commands will determine your ability to survive. Definitely NOT for those who have weak patience. Cassette based. Req. 16K. S1, S2, T1. Cat X-3687



Institute \$27.50

If you got out of Asylum try this one. As with Asylum you start in a room and you aim is to get the heck out of there. The only clue, you dream! Much improved graphics and vocabulary. On Cassette. Req. 16K. Cat X-3681

Hangman/Concentration

Stack Market Game \$14.50

Two programs which are not only great to play, but also help to increase familiarity with words. Hangman is the computer version of the well known word game complete with animated graphics 'man' getting hung. The word can be chosen by either the program or a second player. Concentration is the computer version of the memory TV quiz game. Two players or teams have to match pictures behind numbers on the screen, then guess the mystery word. Req. 16K. S1, S2. Cat X-3696

Rain Analyser and Predictor \$12.50

It's designed for the man on the land or the agricultural student. The package produces the rainfall data for a particular location over a period of 25 years. Detailed graphs can be produced for individual periods as well as future predictions. Cross analysis of any two weeks or months and detailed predicted reports are also available. On cassette. Req. 16K. T1, S1, S2. Cat X-3787

System 80 Utility Software Step by Step BASIC

A nouse to take beginners into BASIC programming! Three cassettes containing numerous individual lessons and a detailed instructional manual. Highly recommended. Cassette based. REQ. 16K
Cal. X-3651 \$49.50

MMS FORTH

The exciting new FORTH programming language runs from 10 to 20 lines of code. Minimum 16K & one disk drive.
T1, S1, S2

Cal. X-3668 \$199

Microsoft FORTRAN

Ideal for science & engineering applications. The Fortran-80 package includes full ANSI standard Fortran 773K 1966, except the disk-based system. Features include: style byte LOGICAL variables, mixed mode arithmetic expressions, error trapping, diagnostic output, extensive subroutine library and more. May well be non-standard I/O drivers. Requires 32K, Disk based. T1, S1, S2.

Cal. X-3669 \$199.00

Serial loader, BASIC

A program that enables loading of programs written in BASIC on another computer via the RS-232C interface.

Cal. X-3669 \$24.50

Z-80 Disassembler

A program which produces an assembly language listing from Z-80 machine code stored in memory. Very handy when you are trying to analyse machine language or 'SYSTEM' programs, to find out how they work (or why they don't). Written in BASIC and provides an ASCII decoding function for all the mnemonics - so you can spot stored messages, etc. Requires 16K, T1, S1, S2.

Cal. X-3690 \$24.50

Memory diagnosing

Ever been stuck with a problem in your system that you can't quite figure out? Then this is the answer. With incredible ease you can test your complete systems operation, from memory to disks. Disk based. Includes detailed instructions. T1, S2.

Cal. X-3763 \$24.50

Micro Dos

A low cost BASIC disk operating system for expanded System-80 & TRS-80 systems which are running from 1 to 4 disk drives (either 32 or 40 tracks). A really easy to use DOS, designed especially for business & professional use. It communicates with the user & with user programs entirely by BASIC commands.

Comes with 5 utility programs on the disk. Requires at least 16K & one disk drive. T1, S1, T2.

Cal. X-3555 \$44.95

NEW DOS-80

The very latest & improved version of Apparatus's sophisticated NEWDOS/80 disk operating system. Provides virtually unlimited facilities needed by the serious programmer & software development engineer. Complete with a user manual, in a ring binder, which is updated by the publisher if you register as a user. Disk. Req. 32K, T1, S1, S2.

Cal. X-3565 \$199.00

Z-BASIC

An interactive compiler which handles most of the commands & statements available in Level 1. Microsoft BASIC. Lets you compile your BASIC programs, so that they run no more than TWENTY TIMES FASTER than with the ROM Interpreter! Disk version, but comes on cassette so you can use it with the DOS of your choice. Needs 16K, but can handle larger programs if you have 32 or 48K.

Cal. X-3570 \$79.00

Games Penetrator

You are the sole survivor of a fighter squadron whose mission is to invade the enemy's defence ring send to blow up their illegal neutron bomb store.

This package even allows you to create your own landscapes at will. Twin cassette. Req. 16K, S1, S2, T1.

Cal. X-3573 \$34.50

Simutek package 1

Not just one, but FIVE battles in space for easy access in one package (Graphic Text 2000, Invasion War, Star Wars and Space Treaty). Great graphics which require split second responses! Comes complete with instruction booklet. Outstanding value! T1, S1, S2.

Cal. X-3565 \$14.50

Computer Cassette tape

Yes! We're now stocking the famous Microcass computer verified cassette tape. Five minutes per side gives over 40K capacity per side.
X-3502

\$225

Double Density Adaptor

Adapt your System 80 or TRS disks to double density!

Cat. X-3540

\$239

Light Pen

• Ideal for System 80 & TRS-80 • Req. 9V battery - long life - complete with instructions and hints.

Cal. X-3845

WAS \$79.50
\$42.95

System 80 Business Software

Invoicing System

This powerful, efficient invoicing system will run either as a stand alone system, or interactively with your Stock Control & Pricing system. It provides full invoicing session summary reports, including sales tax and revenue totals. It allows for credits or returned items. On Disk. Req. 32K Complete with manual. T1, S1, S2.



\$99

Cal. X-3751

Accounts Receivable

This package gives you the vital information concerning the 'heart' of your business, i.e. Cash flow. At a glance you can tell who owes you what, how much & for how long. Reports such as the Trial Balance, Debtors ledger & Posting summaries. Requires 32K, two disk drives & an 80 column printer. S1, S2.

\$149

Cal. X-3756

Accounts Payable

Maintain control over where your money is going. This package will maintain up to 100 individual creditors using the 'open item system'. Provides detailed reports on all your purchases and payments. Req. 48K. Machine with 2 disk drives and an 80 column printer.

\$299

Cal. X-3754

General Ledger

Lets you know exactly how your business is running & provides the necessary information to make business decisions based on accounts reports, as to your company's status. Complete with comprehensive manual & requires a System 80 with 32K, 2 disk drives & an 80 column printer. S1, S2.

\$149

Cal. X-3752

Professional Wordprocessing

A powerful professional word processing system. Written in Australia, it provides a host of features including unlimited text insertion, the ability to print mailing labels & to merge a name & address list with a standard letter format. Plus a 'help' facility, how to line numbering. Written in machine code for really FAST operation. It comes complete with an easy to read User Manual. Req. 32K & at least one disk drive. S1, S2, T1. New version now also operates on System 80 & TRS 80 Module.

\$175

Cal. X-3761

Payroll Budget

At last - a Payroll program that does it all. This new package caters for up to 100 employees and produces payroll, cost analysis, cheque analysis, bank deposit advice, cost centre report, payroll tax report and group certificates. Also provided for is up to 5 different employee deductions. On disk. Req. 32K, S1, S2, T2.

\$149

Cal. X-3769

Feed Budget

Allows the accurate management of feed requirements for a dairy herd. Will assist in ensuring that cows calve in good condition and that sufficient reserves are maintained until spring growth has started. On disk. Req. 2.5K, T1, S1, S2.

\$49.50

Cal. X-3770

Mailing System

Provides storage for 450 names and address on one disk or up to 650 using two drives. Provides seven 'fixed' labels and two 'user definable' labels. Sort labels by any field and print in sorted order. Will also print 'ghost' labels for return mailing. Well documented. On disk. Req. 32K, S1, S2, T1.

\$69.50

Cal. X-3771

Stock Control & Pricing

A stock control & pricing system for small businesses. Handles up to 2750 stock lines & offers powerful features like Australian Sales tax reporting, last machine language sorting, ability to produce up-to-date price lists & complete accounts with 'on hand' figures plus much more. Req. 32K of RAM & 2 disk drives. S1, S2.



\$149

Want to store large amounts of data?

Datfile

is for you

A program which lets you computerise virtually any data file currently on cards etc. Membership & mailing lists, names & addresses, product information - you name it! Datfile lets you call them up on the screen, add new entries, delete old changes, sort all entries, select by category, print out so on. Comes on disk. Req. 32K & at least one drive. S1, S2.

Cal. X-3780

\$99

Share Market Analysis

A valuable tool for the part time debiller or for anyone with an interest in the stock market. It can provide both point & line charts for individual stocks or for market groups. Fully menu driven with detailed instruction manual & can handle up to 45 different stocks. Disk based. Req. 32K, S1, T2.

Cal. X-3765

\$39.50

Pig Form Management

Provides a very detailed report on your pigery. All data relating to the enterprise is keyed into the system using a unique set of 'data cards'. The system then goes to work and produces a very detailed series of printed reports that will give you an excellent picture of the viability of the enterprise. On disk. Req. 32K.

Cal. X-3772

\$299

Economy B & W Monitors

The System 80 doesn't need a video monitor; but can be used with one. A video monitor gives the sharpest, clearest image - and this one is really economical. It can be used with most computers on the market - and is much cheaper than other brands! Compare and be inspired!

Cal. X-1196

\$149.50

Economy Green Phosphor Monitor

If you're seriously into computers then this is the monitor for you. Provides a sharper, brighter image, and you avoid eye fatigue! Suffered more for the professional rather than the hobbyist.

Cal. X-1198

\$199

High Resolution Monitor

With this monitor added to your computer system, you'll be able to use it for almost limitless applications! For accounts/statistics, education, medical, amusement & for any purpose data & video display. The anti-glare screen with its jitter & ghost free image makes viewing much easier & sharper and allows 80 characters with 24 lines. A must for the serious computer hobbyist or professional.

Cal. X-1200

\$279

